







**System** 

Please type a plus sign (+) inside this box \Rightarrow 🗍

PTO/SB/05 (4/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE collection of information unless it displays a valid OMB control number.

OUnder the Paperwork Reduction Act of 1995, no persons are required to respond to a

## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. NORTH-390A/A-2241 First Inventor or Application Identifier Title Backplane For Embedded Rugged Shock-Resistant

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b), Express Mail Label No. FT.482797939[IS

	APPLICATION ELEMENTS support 600 concerning utility patent application contents.	Assistant Commissioner for Patents  ADDRESS TO: Box Patent Application  Washington, DC 20231
1. X (Secondary Secondary	Fee Transmittal Form (e.g., PTO/SB/17)  Jubral an original and a duplicate for fee processing)  Jecification [Total Pages] 13 ]  Jecification [Jecification Referred arrangement set forth below)  Jecification Regarding Fed sponsored R & D  Reference to Microfiche Appendix  Jecification [Jecification Reference to Microfiche Appendix  Jecification of the Invention  Jerief Summary of the Invention  Jerief Summary of the Invention  Jerief Description of the Drawings (if filed)  Jecification [Jecification Reference to Microfication (Invention Inventor (Inventor (Inve	5. Microfiche Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identity of above copies  ACCOMPANYING APPLICATION PARTS  7. X Assignment Papers (cover sheet & document(s)) 8. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) Attorney 9. English Translation Document (if applicable) 10. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 11. Preliminary Amendment 12. X (Should be specifically itemized) 13. Statement(s) Statement filed in prior application, Status still proper and desired (IPTO/SB/09-12) 14. Certified Copy of Priority Document(s) (if foreign priority is claimed) 15. Other:
	17. CORRESPONDE	NCE ADDRESS
Custom	ner Number or Bar Code Label (Insert Customer No. or Atta	or X Correspondence address below
Name	Terry J. Anderson, Esq. NORTHROP GRUMMAN CORPORATION	
Address	1840 Century Park East	
City	Los Angeles State	CA Zip Code 92677-2199
Country	USA Telephone	(310) 332-5666 Fax (310) 332-5678
Name (F	PrinvType) Matthew A. Newboles	Registration No. (Attorney/Agent) 36,224
Signatur		Date 4/7/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

## Certificate of Mailing under 37 CFR 1.8 or 37 CFR 1.10

- I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
- I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, Express Mail No. <u>EL482797939US</u> addressed to:

ASSISTANT COMMISSIONER FOR PATENTS BOX PATENT APPLICATION WASHINGTON, D.C. 20231

on

4/7/00 (Date)

Signature

Michelle Schroeder

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

- 1. Transmittal:
- 2. Fee Transmittal (in duplication);
- 3. Assignment & Declarations w/Cover Sheet (28 pages);
- 4. Patent Application (13 pages);
- Drawings (2 pages);
- 6. Return Postcard.

PTO/SB/17 (12/99)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

4/7/00

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a

## TRANSMIT

Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/S8/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

WARNING:

(\$) 730.00

Complete if Known				
Application Number	Unknown			
Filing Date	Herewith			
First Named Inventor	Shannon M. Nelson			
Examiner Name	Unknown			
Group / Art Unit	Unknown			
Attorney Docket No.	NORTH - 390A/A-2241			

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)				
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES				
Deposit C	Large Entity Small Entity Fee Fee Fee Fee Fee Fee Description	Fee Paid			
Account	100 100 100 100 100 100 100 100 100 100	reeralu			
1-1000	Suicharge Flate ming fee of Gaut				
Deposit Account	127 50 227 25 Surcharge - late provisional filing fee or cover sheet.				
Name	139 130 139 130 Non-English specification				
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147 2,520 147 2,520 For filing a request for reexamination				
. —	112 920° 112 920° Requesting publication of SIR prior to				
2. Payment Enclosed: Dep.Acct.  Check Order Dother	Examiner action  113 1,840° 113 1,840° Requesting publication of SIR after Examiner action				
FEE CALCULATION	115 110 215 55 Extension for reply within first month				
1. BASIC FILING FEE	116 380 216 190 Extension for reply within second month				
Large Entity Small Entity	117 870 217 435 Extension for reply within third month				
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	118 1,360 218 680 Extension for reply within fourth month				
101 690 201 345 Utility filing fee	1 128 1,850 228 925 Extension for reply within fifth month				
106 310 206 155 Design filing fee \$690	119 300 219 150 Notice of Appeal				
107 480 207 240 Plant filing fee	120 300 220 150 Filing a brief in support of an appeal				
108 690 208 345 Reissue filing fee	121 260 221 130 Request for oral hearing				
114 150 214 75 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding				
SUBTOTAL (1) (\$) 690,00	140 110 240 55 Petition to revive - unavoidable				
2. EXTRA CLAIM FEES	141 1,210 241 605 Petition to revive - unintentional				
Fee from _	142 1,210 242 605 Utility issue fee (or reissue) 143 430 243 215 Design issue fee				
Extra Claims below Fee Paid Total Claims 14 -20** = X = 0	1 144 580 244 290 Plant issue fee				
Independent 2 - 3" = X = 0	122 130 122 130 Petitions to the Commissioner				
Multiple Dependent	123 50 123 50 Petitions related to provisional applications				
**or number previously paid, if greater; For Reissues, see below					
Large Entity Small Entity Fee Fee Fee Fee Fee Description	581 40 581 40				
Fee Fee Fee Fee Description Code (\$) Code (\$)	recording each patent assignment per	40			
103 18 203 9 Claims in excess of 20 102 78 202 39 Independent claims in excess of 3	146 690 246 345 Filing a submission after final rejection (37 CFR § 1.129(a))	40			
104 260 204 130 Multiple dependent claim, if not paid	149 690 249 345 For each additional invention to be examined (37 CFR § 1.129(b))				
109 78 209 39 ** Reissue independent claims over original patent	Other fee (specify)				
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other fee (specify)				
SUBTOTÁL (2) (\$) -0-	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.0	٥			
SUBMITTED BY Complete (if applicable)					
Name (PnnVType) Matthew A. Newboles	Registration No. (Altorney/Agent) 36,224 Telephone (949) 855–	1246			
Signature Ulfrant 1901	Date 4/7/00	1270			
		1			

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.